(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 30 June 2005 (30.06.2005)

PCT

(10) International Publication Number WO 2005/060067 A1

- (51) International Patent Classification7: H02J 9/00, 7/34
- (21) International Application Number:

PCT/IB2004/052629

- (22) International Filing Date: 1 December 2004 (01.12.2004)
- (25) Filing Language:

(26) Publication Language:

English

English

- (30) Priority Data: 03104750.9
- 17 December 2003 (17.12.2003)
- (71) Applicant (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BRUEKERS, Bram, J., W., A. [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). CORSTIAANS, Bartholomeus, J., A. [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VAN DER VEEN, Geert, W. [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). HEN-DRIKS, Marcus, J., G., M. [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VERMEULEN, Markus, C. [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

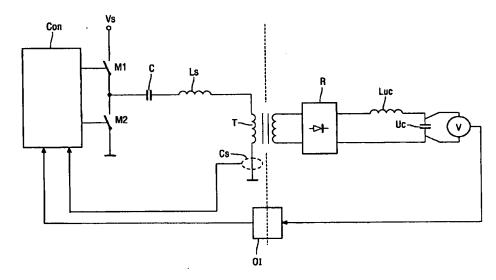
- (74) Agents: BOSMA, Rudolphus, H., A. et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: MAINTENANCE FREE EMERGENCY LIGHTING



(57) Abstract: An emergency lighting device comprises an illumination lamp for illuminating an area and an energy storage unit for providing electrical energy for powering the lamp. According to the invention, the energy storage unit comprises an ultra-capacitor for storing the electrical energy. As the ultra-capacitor shows hardly any deterioration over time, extensive, e.g. periodical testing of the emergency lighting device during its lifetime can be omitted. A charging arrangement for charging the ultra-capacitor in the emergency lighting device is described.